AUTHOR INDEX

Volume 16

Al-Bagdadi, F., 27
Alberty, C.F., 201
Amoss, M.S., 379
Anderson, G.B., 119
Andresen, Ø., 249
Archibald, L.F., 27
Atkinson, T., 179

Bates, M.J.L., 231
Barnes, M.A., 13, 575
Berg, J.N., 659
Bierley, S.T., 13
Bierschwal, C.J., 349
Blanchard, T.L., 85, 541
Bodine, A.B., 201
Bosc, M.J., 303
Bouters, R., 489
Bower, R.E.,Jr., 553
Bradford, G.E., 119
Bretzlaff, K.N., 587
Brown, E.M., 207
Buck, C.S., 201
Buell, J.R., 447
Bueno L., 599
Burns, P.J., 531

Callahan, C.J., 315
Carpenter, R.H., 287
Carter, M.L., 399
Cerne, F., 459
Chakraborty, P.K., 61
Chan, S.Y.W., 61
Chen, C.L., 447
Chenoweth, P.J., 155
Chupin, D., 497
Colas, G., 623
Collier, R.J., 131
Cooke, R.G., 95
Cooper, B.S., 641
Coryn, M., 489
Crabo, B.G., 553
Cummings, M.R., 541
Cupps, P.T., 119

Dahmen, J.J., 45, 53
Day, B.N., 195, 513
DeMoor, A., 489
Dickey, J.F., 593
Dierschkle, D.J., 399
Dinger, J.E., 231
Djiane, J., 303
Douglas, R.H., 531
Drost, M., 373
Dukelow, W.R., 593
Dunlap, S.E., 185

Ellicott, A.R., 469
Elmore, R.G., 207, 349, 659
Erb, R.E., 315
Eyestone, W.H., 359

Fernandez, V., 483
Fischer, M.W., 607
French, L.R., 359, 407
Fukui, Y., 105

Galhotra, M., 477
Garcia, M.C., 73, 85, 541
Garverick, H.A., 207, 349, 513
Giminez, T., 469
Ginther, O.J., 73, 239, 669
Godke, R.A., 27
Graham, E.F., 553
Guerin, Y., 623
Gwazdauskas, F.C., 271

Halman, R.D., 575
Hamm, D., 447
Harrison, L.M., 565
Hauser, E.R., 399
Hawk, H.W., 641
Hendricks, D.M., 469
Hepler, D.I., 1
Himmler, V., 433
Hixon, D.L., 219
Hixon, J.E., 587
Holy, L., 483
Humblot, P., 375
Hurtgen, J.P., 85, 505, 541

Irvin, H.J., 513

Jiricek, A., 483
Jöchle, W., 433, 447, 459,
Jordan, D.L., 315

Kaker, M.L., 477
Kazmer, G.W., 13, 575

Kenney, R.M., 85, 541
Kesler, D.J., 207, 219, 295, 349
Kiddy, C.A., 271
Kingsley, S.R., 259
Kiser, T.E., 185, 469
Klug, E., 433
Knifton, A., 95
Kraeling, R.R., 185
Kumaresan, P., 531
Kumi-Diaka, J., 419, 523
Kuzan, F.B., 651

Lapwood, K.R., 607
Leman, A.D., 505
Lindsay, D.R., 39
Lock, T.F., 681

Malven, P.V., 315
Martin, G.B., 39
Martin, J.C., 433
Matharoo, J.S., 99
Memon, M.A., 681
Merkt, H., 433
Mickelson, W.D., 45, 53
Miller, K.F., 669
Mizoguchi, H., 593
Molokwo, E.C.I., 331
Morris, M.S., 379
Morrow, R.E., 513

Nelson, D.R., 681
Nicolle, A., 303
Njoku, C.E., 523
Noiles, E.E., 231
Nordheim, E.V., 669
Nowak, R.A., 295

Oldham, C.M., 39
Osori, D.I.K., 331, 419, 523
Ott, R.S., 587
Oyedipe, E.O., 419

Paape, M.J., 271
Paisley, L.G., 45, 53
Parish, N.R., 379
Peters, A.R., 259
Peterson, E.S., 565
Pflantz, V.M., 513
Pineda, M.H., 1
Pursel, V.G., 641

Rampacek, G.B., 185
Randel, R.D., 565
Razdan, M.N., 477
Redmer, D.A., 195
Rexroad, C.E., Jr., 641
Richardson, M.E., 201
Riley, G.M., 259
Roberts, E.M., 105
Rodolakis, A., 303
Roman-Ponce, H., 131, 139
Ross, L.N., 179
Ruckebusch, Y., 599

Sanusi, A., 523
Saumande, A., 497
Scheffrahn, N.S., 295
Seidel, G.E., Jr., 337, 685
Seidel, S.M., 337, 685
Singh, M., 99
Smith, M.F., 397
Spennetta, B., 407
Spitzer, J.C., 287
Standal, N., 249
Sundby, A., 249

Tainturier, D., 599
Takahashi, Y., 631
Thatcher, W.W., 131, 139, 271
Thibier, M., 375
Thompson, F.N., 185
Troxel, T.R., 219
Tuli, R.K., 99
Turner, D.D., 73

Vaillancourt, D.H., 659
Vanatka, F., 483
Vandeplassche, G.M., 239
Vandeplassche, M., 489
Varley, M. A., 179
Veenhuizen, E.L., 315
Vincent, D.L., 219
Vogelweid, C.M., 659
Vrtel, M., 483

Webel, S.K., 73
Wesson, J.A., 239
Weston, P.G., 587
Wilcox, C.J., 131, 139, 239
Wildt, D.E., 61
Williams, J.D., 379

Wilson, S., 523
Wiltbank, J.N., 379
Wiseman, B.S., 219
Witherspoon, D.M., 447
Wright, R.E., 201
Wright, R.W., Jr., 651
Youngquist, R.S., 349

Zaied, A.A., 349
Zakari, A.Y., 331
Zemjanis, R., 374

SUBJECT INDEX

Volume 16

Abortion
    infectious, 303
Adrenocorticotrophic hormone, 131
Agalactia
    in pigs, 659
Alfaprostol, 433, 447, 459
Allyl trenbolone
    in mares, 73
Androsterone
    plasma, 254
Angus, 27
Antibodies
    to progesterone, 407
Antigens
    uterine, 359
Antimitotic agent
    effect on ova, 593
Artificial insemination
    Japanese instrument, 631
    mare, 433
Australia, 39, 105
Azoospermia
    induced, 1
Azwak, 523

Beagle, 2
Besnoitis
    bovine, 523
Belgium, 489
Biopsy endometrial, 541
Blastocyst in vitro, 651
Boar semen, 553
Boars
    hemicastration, 249
    testosterone in plasma, 299
Bokoloji, 332
Brangus, 565
Bulls
    hemicastration, 249
Bunaji, 332

Canine
    ovarian antigen, 61
Castration
    lambs, 607
Cattle
    dairy
        lactating, 131, 139
    estrus synchronization, 13
    ovulation synchronization, 13

Chlamydia psittaci, 303
Chlorhexidine digluconate, 1
Cloprostenol, 259, 376
Conception rates
    Heat effect on, 331
Corpus Luteum
    electron microscopy, 31
    light microscopy, 29
    peripartum, 27
    regression, 271
Corticoids
    cow, 277, 279, 469, 513
Cortisol
    plasma
        cow, 133, 145, 185, 469
        ewe, 39
Cow
    cyclic, 17
    embryo transfer, 483, 631
    hormones in plasma, 17
    ovarian cysts, 207, 349
    parturition, 599
    peripartal corpus luteum, 27
    postpartum, 17
    repeat breeder, 375
    suckled, 469, 513, 565
    Syncro-mate-B, 219
Cronolone intravaginal sponge, 287
Cryptorchidism,
    horse, 489
Cryptorchid testes, 493

Dexamethasone, 514
Dimethylsulfoxide(DMSO), 1
Dog
    ovarian antigen, 61
    semen evaluation, 2
    vasectomy
        chemical, 1
Donkeys
    estrous cycle, 239
Draughtmaster, 523

Electrocautery of follicles, 498
Electroejaculation
    ram, 54
Embryo transfer bibliography, 337, 685
Embryo transfer instrument, 631
Embryo transfer trasfer
    non-surgical, 631
    twin inductions, 483
Endometrial biopsy, 541
Endometrial culture
    in mares, 85, 541
Endotoxin
    in MMA, 660

England, 95, 259
Environment
    subtropical, 131, 139, 271, 331
    tropical, 419
Epididymal injection, 2
Equilibration
    semen, 99
Escherichia coli, 659
Estradiol- 17β
    cow, 17, 141, 275, 319, 515, 578
    sow, 179
Estradiol benzoate, 349
Estradiol in oil, 566
Estradiol valerate, 13, 498
Estrogens
    in plasma, 303
Estrous cycle
    donkeys, 231
        behavior, 231
    ewes, 410
Estrumate, 259, 376, 498
Estrus
    ewes, 287, 411
    gilts
        effect of allyl trenbolone, 195
    goat
        induced, 95, 587
    mares
        effect allyl trenbolone, 76
        effect of PMSG, 231
    sow
        in confinement, 505
Estrus synchronization
    cattle, 14, 497
    ewes, 105, 287
    mares, 231, 433
Ewe
    anestrus
        seasonal, 39
    estrous cycle, 410
    gestation length, 119
    intrauterine device, 641
    ovulation, 39, 105
    stress
        laparascopy
    uterine antigens, 359
Extenders
    semen, 99

Farrowing rate
    in confinement, 507
Fertility
    bulls, 379
Fertilization
    action against,593

Fibroblast monolayer system, 651
Finnish landrace, 120
Follicle
    effect of allyl trenbolone, 73
    electrocautery, 497
    laparoscopy, 401
    size
        in donkeys, 244
Follicle stimulating hormones
    cow, 17, 262, 578
    donkey, 244
    ewe, 669
France, 599, 623

Ganglionectomy
    cranial cervical, 607
Gestation length
    ewes, 119
Gilts
    allyl trenbolone, 195
    lactaion failure, 660
    male behavior in, 295
Goat
    estrus induced, 95, 587
Gonadotropin releasing hormone, 207, 375, 513, 575
Growth hormone, 319

Hamster, 593
Heat stress, 271
Heifers
    and GnRH, 575
Hemicastration, 249
Hereford, 513
Holstein, 14, 272
Humidity, 331
Hydrallantois
    cow, 681

Immunodiffusion
    double, 361
Immunoflourescence test, 64
India, 99, 477
Insulin
    cow, 319
Intrauterine devices, 641

Japan, 631

Lactation
    induced (cow), 315
Lactation length effects
    sow, 179
Lamb body weight
    pineal effect, 618
Lamb
    puberty manipultaion, 607
Landrace, 251, 460, 505

Laparascopy
stress
cow, 399
ewe, 39
Libido
bulls, 155, 379
boars, 155
rams, 155
Lincoln, 45
Lutalyse
cow, 575
Luteinizing hormone
buffalo, 477
cow, 17, 144, 185, 262, 349, 405, 513, 565
donkey, 244
ewe, 39, 669
lamb, 611
Luteolysis
cow, 497, 575
goat, 587
mare, 433, 447

Male behavior after testosterone, 295
Mares
allyl trenbolone in, 73
barren, 541
endometrial biopsy, 547
endometrial culture in, 85, 547
estrus synchronization, 231, 433
oxytocin, 523
parturition, 599
PMSG in, 231
progesterone, 443, 447
vaginal sponges, 231
Mating behavior
bulls, 155
boars, 155
rams, 155
Merino, 39, 105
Methotrexate, 593
Microscopic study
corpus luteum, 27
MMA-Syndrome, 459, 660
Murrah buffalo, 99, 477

New Zealand, 607
Nigeria, 331, 419, 523
Norgestomet, 13, 287
Norway, 249
Norwegian Red, 250

Orchiectomy
dogs, 2
Ovarian antigen
canine, 61

Ovarian cyst
cow, 207, 349
Ovulation
ewe, 39, 105
gilt, 195
mare, 81
synchronization,
cow, 14, 250
ewe, 105
Oxytocin
induction of estrus, 531
in mares, 531
in stallions, 531

Parturition
induction, 681
onset, 599
Parvovirus
bovine in uterus, 201
Physical (body) character
bulls, 383
Pineal gland, 607
Placental lactogen
in ewes, 303
Pregnancy
buffalo, 477
Pregnant mare serum, 231
Prolactin, 133, 319, 609
Progesterone
cow, 17, 133, 185, 262, 319, 355, 404, 578
ewe,303, 407
goat, 589
mare, 440, 447
sow, 179
impregnated vaginal sponges, 231, 287
releasing intravaginal device, 259
Progestins
(allyl trenbolone) 73, 195
Prostaglandin
analogues, 259, 376, 433
Prostaglandin $F_2\alpha$
cow, 681
ewe, 105
goat, 587
heifer, 271, 576
in hydrallantois, 681
Puberty
buffalo, 480
manipulation,607
zebu, 419

Radioimmunoassay
milk
estradiol- 17β, 317
estrone, 317
prolactin, 317
progesterone, 260

Radioimmunoassay (cont.)
plasma
androsterone, 251
cortisol, 40, 186, 273, 470
estradiol- 17β, 15, 273, 351, 515, 577
estrogens
total, 305, 317
follicle stimulating hormone, 15, 260, 577, 670
growth hormone, 317
insulin, 317
luteinizing hormone, 15, 40, 186, 260, 273, 351, 401, 478, 515, 566, 508, 670
oxytocin, 532
placental lactogen, 305
progesterone, 15, 186, 273, 305, 351, 376, 401, 409, 436, 577, 588
prolactin, 273, 317, 608
testosterone, 251, 297, 491, 608
Rahji, 523
Ram
electroejaculation, 54
scrotum
circumference, 45
semen, 623
Romney, 608

Santa Gertrudis, 379
Scotland, 179
Scrotal circumference
bulls, 379
Scrotum
ram, 45
Season effects, 45, 53, 105, 505
Semen
boar, 553
buffalo, 99
effect on uterus contraction, 553
evaluation
dog, 2
frozen, 623
ram, 623
thawing, 623
Seminal quality, 379, 525
Shade in subtropics, 131, 139
Sow
confinement herds, 505
lactation lengths, 179
parturition induction, 459
seasonality, 505
Spermatozoa
ram, 45
Spermacidal effect of IUD, 641
Sperm transport
effects on, 641

Stallion
    oxytocin, 531
Stress
    heat
        cow, 271
    laparoscopy
        cow, 399
        ewe, 39
Suckling
    effect on cortisol, 469
Suffolk, 45
Swine blastocysts, 651
Syncro-Mate-B, 13, 219, 287

Targhee, 120
Testes
    besnoitiosis, 526
Testicular steroids
    boars, 249
    bulls, 249
Testosterone
    cryptorchid horse, 495
    lambs, 609
    plasma, 252, 295, 489
Testosterone propionate, 295
Thyrotropin releasing hormone, 131
Triavicinalone acetonide, 514
Twinning
    induced (cow), 483

Uterine specific antigens, 359
Uterus
    contractibility, 555
    evaluation, 541

Vasectomy
    chemical, 1
    in dogs, 1

Weaning
    in sow, 179
White Fulani, 523

Yorkshire, 505
Yugoslavia, 460

Zebu, 332, 419